

Claims :

1. A chair with a combination back support and cover plate comprising:

a frame whose lower part is fixed to another object;

5 a seat which is installed on the upper portion of the frame;

a back support which is hinged and connected with one end of the seat;

a hinge portion which connects the seat and the back support by means of hinge connection;

an elastic support unit which is installed between the seat and the frame, for elastically supporting the seat;

a closing unit which pulls the back support toward the seat if the front end of the seat moves up by the elastic support unit when a user stands up from the seat; and

15 a slow-downer which is connected with the hinge portion and the back support, for slow-downing the back support at low speed.

20 2. The chair with a combination back support and cover plate according to claim 1, wherein the closing unit comprises: a support unit which is installed in the lower middle portion of the seat so that the rear end of the seat moves up and down reversely when the front end of the seat moves up and down by the elastic support unit and a user's weight; a knob which protrudes in the lower end of the back support; and a stopper which is installed in the frame at

the position where the knob contacts at the state that the back support has been unfolded.

3. The chair with a combination back support and cover
5 plate according to claim 2, wherein the stopper is formed of a bolt which is combined with the frame by means of a screw so that a gap between the knob and the stopper can be adjusted, and whose one end contact the knob.

10 4. The chair with a combination back support and cover plate according to claim 2, wherein the stopper is formed of a plate which is installed in the frame so as to adjust a gap between the knob and the stopper and contacts the knob, and a fixing unit which movably fixes the plate to the frame.

15

5. The chair with a combination back support and cover
plate according to claim 1, wherein the closing unit
comprises: a link whose one end is rotatably connected with
the hinge portion and contacts the lower end of the back
20 support; a pushing rod on one end of which the fixing unit
is formed and with the other end of which the link is connected;
a spring which is mounted on the pushing rod; a spring stopper
to one end of which the frame is fixed and to the other end
of which one end of the spring is fixed, to thereby support
25 the pushing rod; a rod stopper which is connected with the
other end of the spring and fixed to the pushing rod; a hook
which is installed in the frame and is connected with the

fixing unit which is formed in one end of the pushing rod;
a hook spring which is connected between one end of the hook
and the frame, for pulling the hook toward the seat; and
a hook release unit which is installed below the seat and
5 separates the hook from the fixing unit in the pushing rod
by a user's weight when a user sits on the seat.

6. The chair with a combination back support and cover
plate according to claim 1, further comprising a limit unit
10 which limits a moving range by the elastic support unit
between the front end of the seat and the frame.

7. The chair with a combination back support and cover
plate according to claim 1, further comprising a magnet or
15 magnetic body which is installed in opposition to each other
in both the seat and the back support, respectively.

8. The chair with a combination back support and cover
plate according to claim 1, wherein the elastic support unit
20 comprises: a housing to the upper end of which the fixed
frame is fixed; a spring which is installed in the inside
of the housing; and a pusher which is directed toward the
seat by the spring.

25 9. The chair with a combination back support and cover
plate according to claim 1, wherein the elastic support unit
is formed of at least one spring whose one end is fixed to

the frame and whose other end is fixed to the seat.

10. The chair with a combination back support and cover plate according to claim 1, wherein the slow-downer
5 comprises: a casing whose one side is combined with the back support, and on one side of the inner surface of which an oil blocking wall is formed; a fixed unit on the outer circumferential surface of which one end of the oil blocking wall contacts and with the inner circumferential surface
10 of which the hinge portion is combined, and on the outer circumferential surface of which at least one blade is formed to maintain a gap from the inner circumferential surface of the casing; an oil which is filled in a space formed between the casing and the fixed unit; and a seal unit which seals
15 both side ends between the casing and the fixed unit.